# Manifold Top Press Freeze Dryer LX2151MFD

**Email:** info@labdex.com **website:** www.labdex.com

# Description

Manifold Top Press Freeze Dryer LX2151MFD is a table top unit with a condensing capacity of 3 kg to 4 kg / 24 h and a temperature of -80°C. It is allow lyophilization of wide spectrum of sample volumes. It facilitates the connection of eight different sizes of flasks ranging from 50 ml to 1200 ml. built-in transparent drying chamber helps in visualization of drying process. Big opening condenser with external coiling tubes facilitates pre-freezing function. It has Color LCD touch screen displays running time, display sample temperature, condenser temperature, vacuum degree, and save data automatically.

# Specifications

| | |
|---|---|
| **Condenser temperature** | -80°C |
| **Condenser capacity** | 3 to 4 kg / 24 h |
| **Freeze drying area** | 0.08 Sq.m |
| **Bulk capacity** | 0.8 L, 10 mm thickness |
| **Vial capacity** | Φ 12 mm: 492 pieces<br>Φ 16 mm: 279 pieces<br>Φ 22 mm: 147 pieces |
| **Manifold** | 8 ports |
| **Flasks** | 1000 ml<br>500 ml<br>250 ml<br>100 ml<br>50 ml<br>600 ml wide neck flask<br>1200 ml wide neck flask |
| **Condenser size** | Φ 215 mm, 140 mm deep |
| **Drying chamber size** | Φ 260 x 540 mm |

| | |
|---|---|
| **Cooling** | Air cooling |
| **Ambient temperature** | ≤25°C |
| **Defrosting** | Off cycle defrosting |
| **Trays** | 3 layers |
| **Tray dimension** | Φ 180 mm |
| **Tray spacing** | 70 mm |
| **Vacuum pump flow rate** | 7.2m3 / h; 2L/S |
| **Vacuum** | < 10 PA |
| **Power** | 1400 W |
| **Voltage** | 220V/50 Hz; 110V/60Hz; 120V/ 60Hz |
| **Dimensions** | 850 x 680 x (400 + 460) mm |
| **Weight** | 140 kgs |

## Features

- Condenser temperature -80°C
- Color LCD touch screen display, display of sample temperature, vacuum curve degree, cold trap temperature curve
- Acrylic drying Chamber is safe and easy to view sample status
- High pumping speed vacuum pump
- Pre-freezing function
- Anti-corrosive stainless steel air inlet valve
- USB port to output freeze drying data

# Applications

- It is use for preserving a wide variety of heat-sensitive materials such as proteins, microbes, pharmaceuticals, tissues & plasma.

**71-75 Shelton Street Covent Garden, London WC2H 9JQ UK.**

**Email: info@labdex.com | Website: www.labdex.com**